

VA DEQ, AQCR | SOUTHWEST VIRGINIA, 2010

SITE I.D.	POLLUTANT MEASURED	METHOD OR INSTRUMENT	SAMPLING INTERVAL	MONITORING OBJECTIVE	SCALE	BEGINNING DATE	MONITOR TYPE	LOCATION	LONGITUDE
51-035-0001 (23-A)	PM-10	SSI HI VOL	1/6	Population	Neighborhood	5/28/89	SLAMS	Carroll Co. - Gladeville Elem. School	-80.8800
51-197-0002 (16-B)	O3	UV Absorption	Continuous	Population	Regional	4/1/90	SLAMS	Rural Retreat - Wythe County Sewage Treatment Plant	-81.2550
51-520-0006 (101-E)	PM2.5 FRM	Sequential	1/3	Population	Neighborhood	1/1/99	SLAMS	Bristol - Highland View Elem. Sch.	-82.1644
51-027-0006 (4-G)	TSP - Lead	Tisch HI VOL TSP Sampler	1/6	Source-oriented	Neighborhood	projected 6/1/10	NAMS	Buchanan Co. - VP-1 Upper Stock Pile area	-82 01.090
There are no collocated monitors in AQCR I									

VA DEQ, AQCR II VALLEY OF VIRGINIA, 2010

SITE I.D.	POLLUTANT MEASURED	METHOD OR INSTRUMENT	SAMPLING INTERVAL	MONITORING OBJECTIVE	SCALE	BEGINNING DATE	MONITOR TYPE	LOCATION	LONGITUDE	LATITUDE
51-069-0010 (28-J)	O3 PM2.5 FRM PM2.5	UV Absorption Sequential TEOM	Continuous 1/3 Continuous	Population Population Background	Urban Urban Urban	4/1/91 1/1/08 1/1/08	SLAMS SLAMS SPM	Rest, Frederick County - Lester Buildings	-78.0814	39.2828
51-113-0003 (N-35-A)	O3 SO2 PM2.5 PM2.5	UV Absorption Fluorescence IMPROVE TEOM	Continuous Continuous 1/3 Continuous	Background Background Background Background	Regional Regional Regional Regional	 5/04	Nat'l Park Nat'l Park IMPROVE Nat'l Park	Madison County - Shenandoah Nat'l Park Big Meadows	-78.4355	38.5227
51-139-0004 (29-D)	O3 PM2.5 FRM	UV Absorption Sequential	Continuous 1/3	Population Background Transport	Urban Regional	7/21/99 10/00	SLAMS SLAMS	Page County - Luray Caverns Airport	-78.5047	38.6633
51-161-1004 (19-A6)	NO2 O3 SO2	Chemiluminescence UV Absorption Fluorescence	Continuous Continuous Continuous	Population Population Population	Neighborhood Neighborhood Neighborhood	1/1/81 8/81 1/29/87	SLAMS SLAMS NAMS	Vinton - Roanoke Co. Horn Elem. School	-79.8842	37.2856
51-163-0003 (21-C)	O3 PM2.5	UV Absorption IMPROVE	Continuous Continuous	Background Background	Regional Regional	4/8/99	SLAMS IMPROVE	Rockbridge Co. - Natural Bridge Station	-79.5131	37.6261
51-165-0003 (26-F)	SO2 NO2 PM2.5 FRM O3	Fluorescence Chemiluminescence Sequential UV Absorption	Continuous Continuous 1/3 Continuous	Population Population Population Population	Neighborhood Neighborhood Neighborhood Neighborhood	9/22/97 4/04 1/1/07 4/1/07	SLAMS SLAMS SLAMS SLAMS	Rockingham Co. - VDOT	-78.8195	38.4775
51-187-0004 (30-E)	PM-10	SSI HI VOL	1/6	Population	Neighborhood	7/27/88	SLAMS	Front Royal - Warren Co. Memorial Hospital	-78.1983	38.9328
51-770-0011 (109-H)	PM-10 Lead	SSI HI VOL TSP HI VOL	1/6 1/6	Source Source	Middle Middle	5/9/88 10/22/09	SLAMS	Roanoke - Cherry Hill Subdivision	-79.9994	37.2758
51-770-0015 (109-M)	CO PM2.5 PM2.5 FRM	Gas Filter Corr. TEOM Sequential	Continuous Continuous Daily	Population Population Population	Neighborhood Neighborhood Neighborhood	4/04 4/04 1/1/07	SLAMS SPM SLAMS	Roanoke - Round Hill Elem. Sch.	-79.9557	37.2972
51-775-0011 (110-C)	PM2.5	Sequential	Daily	Population	Neighborhood	9/8/09	SLAMS	Salem - Salem High School	-80.0810	37.2979

There are no collocated monitors in AQCR II

VA DEQ, AQCR III CENTRAL VIRGINIA, 2010

SITE I.D.	POLLUTANT MEASURED	METHOD OR INSTRUMENT	SAMPLING INTERVAL	MONITORING OBJECTIVE	SCALE	BEGINNING DATE	MONITOR TYPE	LOCATION	LONGITUDE	LATITUDE
51-680-0015 (155-Q)	PM2.5 FRM	Sequential	1/3	Population	Neighborhood	4/1/03	SLAMS	Lynchburg - Water Tank	-79.2148	37.3318

There are no collocated monitors in AQCR III

VA DEQ, AQCR IV NORTHEAST VIRGINIA, 2010

SITE I.D.	POLLUTANT MEASURED	METHOD OR INSTRUMENT	SAMPLING INTERVAL	MONITORING OBJECTIVE	SCALE	BEGINNING DATE	MONITOR TYPE	LOCATION	LONGITUDE
51-033-0001 (48-A)	O3 VOCs VOC NOy	UV Absorption Auto-GC TO-12 Chemiluminescence	Continuous Daily - Summer 1/6 Continuous	Background Background Background Background	Regional Neighborhood Regional Regional	4/1/93 6/1/02 6/1/93 7/22/96	PAMS PAMS PAMS PAMS	Caroline Co. - USGS Geomagnetic Center	-77.3772
51-047-0002 (42-B)	PM-10	SSI HI VOL	1/6	Population	Neighborhood	4/24/92	SLAMS	Culpeper - Farmington Elem. School	-78.0111
51-061-0002 (37-B)	O3	UV Absorption	Continuous	Background	Regional	9/1/81	SLAMS	Fauquier Co. - Phelps Wildlife Area	-77.7678
51-179-0001 (44-A)	O3	UV Absorption	Continuous	Population	Neighborhood	9/1/92	SLAMS	Stafford Co. - Widewater Elem. School	-77.3703
51-003-0001 33-A	O3 PM2.5 FRM PM2.5	UV Absorption Sequential TEOM	Continuous 1/3 Continuous	Population Population Background	Regional Neighborhood Neighborhood	4/1/08 4/1/08 4/1/08	SLAMS SLAMS SPM	Albemarle Co. - Albemarle High School	- 78.4973
51-630-0004 (130-E)	PM-10	SSI HI VOL	1/6	Population	Neighborhood	11/12/89	SLAMS	Fredericksburg - Mercer Elem. School	-77.4864

There are no collocated monitors in AQCR IV

VA DEQ, AQCR V STATE CAPITOL, 2010

SITE I.D. SITE I.D.	POLLUTANT MEASURED	METHOD OR INSTRUMENT	SAMPLING INTERVAL	MONITORING OBJECTIVE	SCALE	BEGINNING DATE	MONITOR TYPE	LOCATION	LONGITUDE	LATITUDE
51-036-0002 (75-B)	O3	UV Absorption	Continuous	Population	Neighborhood	3/29/88	SLAMS	Charles City Co. - Route #608 Shirley Plantation	-77.2608	37.3419
	SO2	Pulsed Fluorescence	Continuous	Highest Concentration	Neighborhood	1/1/92	NAMS			
	NO2	Chemiluminescence	Continuous	Population	Neighborhood	3/9/93	SLAMS			
	PM2.5 FRM	Sequential	1/3	Population	Neighborhood	1/1/99	SLAMS			
51-041-0003 (71-D)	PM2.5 FRM	Sequential	1/3	Population	Neighborhood	1/1/99	SLAMS	Chesterfield Co. - Bensley Armory	-77.4508	37.4361
51-041-0004 (71-H)	O3	UV Absorption	Continuous	Population	Neighborhood	4/80	SLAMS	Chesterfield Co. - Beach Rd. VDOT	-77.5936	37.3589
51-085-0003 (73-E)	O3	UV Absorption	Continuous	Highest Concentration	Urban	4/1/01	NAMS	Hanover Co. - McClellan Road	-77.2188	37.6061
51-087-0014 (72-M)	O3	UV Absorption	Continuous	Population	Neighborhood	6/12/81	NAMS	Henrico Co. - MathScience Center	-77.4003	37.5583
	PM2.5 FRM	Sequential	Daily	Population	Neighborhood	1/1/99	SLAMS			
	PM2.5	TEOM	Continuous	Population	Neighborhood	7/18/00	SPM			
	PM2.5	Speciation	1/3 Mini-Trends	Population	Neighborhood	1/1/04	SPM			
	PM10	Sequential	1/3	Population	Neighborhood	10/8/09	SLAMS			
	Metals	PM-10 LO VOL	1/6	Background	Neighborhood	11/1/08	NATTS/SPM			
	Metals	TSP/ICPMS	1/6	Background	Neighborhood	11/1/08	NATTS/SPM			
	Lead	TSP/ICPMS	1/6	Background	Neighborhood	11/1/08	SLAMS/Ncor			
	Carbonyl	TO-11A	1/6	Background	Neighborhood	11/1/08	NATTS			
	VOCs	TO-15	1/6	Background	Neighborhood	11/1/08	NATTS			
	PAH	TSP	1/6	Background	Neighborhood	11/1/08	NATTS			
	Hexavalent Chromium	TSP LO VOL	1/6	Background	Neighborhood	11/1/08	NATTS			
	NOy	Chemiluminescence	Continuous	Population	Neighborhood	5/1/05	NCORE/SPM			
	NO2 Trace	Chemiluminescence	Continuous	Population	Neighborhood	5/1/05	NCORE/SPM			
51-087-0015 (72-N)	PM2.5 FRM	Sequential	1/3	Population	Neighborhood	1/1/99	SLAMS	Henrico Co. - Piedmont DEQ	-77.5675	37.6703
51-101-0003 (82-C)	PM-10	SSI HI VOL	1/6	Population	Neighborhood	1/11/90	SLAMS	West Point - Elementary School	-76.7953	37.5594
51-670-0010 (154-M)	PM-10	PM10 SSI HI VOL	1/6	Population	Neighborhood	11/1/08	SLAMS	Hopewell - Hopewell Toxics Study, Carter G. Woodson Middle School	-77.2901	37.2906
	Metals	PM10 SSI HI VOL	1/6	Population	Neighborhood	11/1/08	SLAMS			
	Metals	TSP/ICPMS	1/6	Population	Neighborhood	11/1/08	Urban Toxics			
	VOCs	TO-15	1/6	Population	Neighborhood	11/1/08	Urban Toxics			
	Carbonyl	TO-11	1/6	Population	Neighborhood	11/1/08	Urban Toxics			
	PAH	TSP	1/6	Background	Neighborhood	11/1/08	SPM			
51-760-0024 (158-W)	CO	Gas Filter Correlation	Continuous	Population	Neighborhood	2/13/98	SLAMS	Richmond - Science Museum, Broad Street	-77.4653	37.5628
	SO2	Pulsed Fluorescence	Continuous	Population	Neighborhood	2/13/98	SLAMS			
	NO2	Chemiluminescence	Continuous	Population	Neighborhood	2/13/98	SLAMS			

There is 1 collocated monitor in AQCR V. At Station 72-M, 510870014 - collocated PM2.5 FRM

VA DEQ, AQCR VI HAMPTON ROADS, 2010

SITE I.D.	POLLUTANT MEASURED	METHOD OR INSTRUMENT	SAMPLING INTERVAL	MONITORING OBJECTIVE	SCALE	BEGINNING DATE	MONITOR TYPE	LOCATION	LONGITUDE
51-700-0013 (180-C)	SO2	Fluorescence	Continuous	Population	Neighborhood	11/3/72	NAMS	Newport News -	-76.4811
	O3	UV Absorption	Continuous	Population	Neighborhood	11/3/72	NAMS	SCOT Facility	
	PM2.5 FRM	Sequential	1/3	Population	Neighborhood	1/1/99	SLAMS	NN Public Schools	
	PM2.5	TEOM	Continuous	Population	Neighborhood	7/17/00	SPM		
	CO	Gas Filter Corr.	Continuous	Population	Neighborhood	7/1/99	SLAMS		
	PM10	SSI HI VOL	1/6	Population	Neighborhood	1/1/07	SLAMS		
	NO2	Chemiluminescence	Continuous	Population	Neighborhood	1/7/10	SLAMS		
51-710-0024 (181-A1)	PM10	SSI HI VOL	1/6	Population	Neighborhood	6/21/97	SLAMS	Norfolk -	-76.3017
	PM2.5 FRM	Sequential	1/3	Population	Neighborhood	1/1/99	SLAMS	NOAA Storage Facility	
51-800-0004 (183-E)	O3	UV Absorption	Continuous	Population	Neighborhood	4/1/87	NAMS	Suffolk - Tidewater Community College	-76.4386
51-800-0005 (183-F)	O3	UV Absorption	Continuous	Population	Neighborhood	4/1/91	NAMS	Suffolk - Tidewater Research Station, Holland	-76.7314
51-810-0008 (184-J)	PM2.5 FRM	Sequential	Daily	Population	Neighborhood	1/1/99	SLAMS	VA Beach -	-76.1814
	VOC	TO-15	1/6	Background	Neighborhood	7/1/05	Urban Toxics	VA Beach DEQ Office	
	Carbonyl	TO-11A	1/6	Background	Neighborhood	7/1/05	Urban Toxics		
	Metals	TSP	1/6	Background	Neighborhood	8/2/05	Urban Toxics		
	CO	Gas Filter Corr.	Continuous	Population	Neighborhood	12/22/09	SLAMS		
	SO2	Pulsed Fluorescence	Continuous	Population	Neighborhood	1/7/10	SLAMS		

There are two collocated monitors in AQCR VI. Collocated PM10 and PM2.5 FRM are both at 181-A1, 517100024, the NOAA Storage Facility in Norfolk.

VA DEQ, AQCR VII NORTHERN VIRGINIA, 2010

SITE I.D.	POLLUTANT MEASURED	METHOD OR INSTRUMENT	SAMPLING INTERVAL	MONITORING OBJECTIVE	SCALE	BEGINNING DATE	MONITOR TYPE	LOCATION	LONGITUDE	LATITUDE
51-013-0020 (47-T)	O3	UV Absorption	Continuous	Population	Neighborhood	8/1/79	SLAMS	Arlington -	-77.0592	38.8575
	NO2	Chemiluminescence	Continuous	Population	Neighborhood	8/1/79	SLAMS	Aurora Hills		
	CO	Gas Filter Correlation	Continuous	Population	Neighborhood	4/1/81	SLAMS	Visitors Center		
	PM2.5 FRM	Sequential	1/3	Population	Neighborhood	1/1/99	SLAMS			
51-059-0018 (L-46-B3)	O3	UV Absorption	Continuous	Population	Neighborhood	5/7/80	SLAMS	Fairfax - 2675 Sherwood Hall	-77.0775	38.7425
51-059-0030 (46-B9)	O3	UV Absorption	Continuous	Population	Neighborhood	7/1/98	PAMS	Fairfax -	-77.1056	38.7728
	VOC	TO-15	1/6	Population	Neighborhood	6/1/02	Urban Toxics	Lee District		
	Carbonyl	TO-11A	1/6	Population	Neighborhood	6/1/02	Urban Toxics			
	Metals	TSP	1/6	Population	Neighborhood	6/1/02	Urban Toxics			
	PM2.5 FRM	Sequential	Daily	Population	Neighborhood	1/1/99	SLAMS			
51-059-1005 (L-46-C1)	O3	UV Absorption	Continuous	Population	Neighborhood	4/1/02	SLAMS	Fairfax - Mason	-77.1632	38.8375
	PM2.5 FRM	Sequential	1/3	Population	Neighborhood	3/9/02	SLAMS	Governmental		
	PM2.5	TEOM	Continuous	Population	Neighborhood	5/24/02	SLAMS	Center		
51-059-5001 (L-46-A8)	O3	UV Absorption	Continuous	Population	Neighborhood	5/74	SLAMS	Fairfax -	-77.1989	38.9319
	PM2.5 FRM	Sequential	1/3	Population	Neighborhood	1/1/99	SLAMS	Balls Hill Road		
51-107-1005 (38-I)	O3	UV Absorption	Continuous	Population	Neighborhood	4/4/98	SLAMS	Loudoun Co. -	-77.4900	39.0244
	NO2	Chemiluminescence	Continuous	Population	Neighborhood	4/4/98	SLAMS	Broad Run H.S.		
	PM2.5 FRM	Sequential	1/3	Population	Neighborhood	1/1/99	SLAMS			
51-153-0009 (45-L)	O3	UV Absorption	Continuous	Population	Urban	4/1/91	SLAMS	Prince Wm. Co. -	-77.6356	38.8553
	NO2	Chemiluminescence	Continuous	Population	Urban	4/1/94	SLAMS	Long Park		
51-510-0009 (L-126-C)	SO2	Pulsed Fluorescence	Continuous	Population	Neighborhood	10/69	NAMS	Alexandria,	-77.0447	38.8108
	O3	UV Absorption	Continuous	Population	Neighborhood	10/69	SLAMS	517 N. Saint		
	NO2	Chemiluminescence	Continuous	Population	Neighborhood	10/69	SLAMS	Asaph St.		
	CO	Gas Filter Correlation	Continuous	Population	Neighborhood	12/6/72	SLAMS			
	PM10	SSI HI VOL	1/6	Population	Neighborhood	10/4/01	SLAMS			
	PM2.5 FRM	Sequential	1/3	Population	Neighborhood	1/1/99	SLAMS			
51-510-0020 (L-126-H)	PM10	SSI HI VOL	1/3	Source	Middle Scale	6/4/06	SLAMS	Alexandria - Tucker Elem. Sch.	-77.1268	38.8050
51-059-0005 (L-46-F)	O3	UV Absorption	Continuous	Population	Neighborhood	4/1/92	SLAMS	Fairfax - Chantilly	-77.4653	38.8939

There are 3 collocated monitors in AQCR VII. A collocated PM2.5 FRM is located at Station 47-T, 510130020, Aurora Hills Visitor Center, Arlington